

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Fire
Contact Fire Chief
Type Replacement
Useful Life 20 years
Category Operating/Construction Equip
Priority 2 Very Important

Project # OEQ-06-001
Project Name Fire Apparatus Replacement Program

Equip In Svc Date

Total Project Cost: \$1,550,000

Description

Purchase of a replacement fire pumper for Unit No. 124 in 2010.

Purchase of a replacement aerial platform truck Unit No. 131 in 2011.

Justification

This is the scheduled replacement of Engine 3 (1990 Emergency One), which will be 25 years old upon its retirement. Scheduled replacement is part of the current fleet replacement schedule and is warranted due to its age, condition, various maintenance concerns and lack of compliance with numerous applicable National Fire Protection Association (NFPA) standards for fire apparatus

Prior	Expenditures	2011	2012	2013	2014	2015	Total
450,000	Vehicle/Equipment	1,100,000					1,100,000
Total	Total	1,100,000					1,100,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
450,000	G.O. Bonds	1,100,000					1,100,000
Total	Total	1,100,000					1,100,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PKL-11-001

Project Name Cascade Falls Overflow Parking Lot

Type New Construction

Useful Life 40 years

Category Parking Lots

Priority 1 Urgent

Equip In Svc Date

Total Project Cost: \$90,000

Description

This project is a joint initiative by the City of Ankeny and Ankeny Community School District to construct a parking lot on the southeast side of the school property that will be utilized by Prairie Trail Elementary when it opens in August 2012 and also Cascade Falls Aquatic Center. Approximately 70 stalls will be constructed with this project and it will open in time for the Memorial Day Weekend 2011 Cascade Falls opening. A walkway will connect the overflow parking lot to the main parking lot for pedestrian movement.

Justification

The overflow parking lot will feature approximately 70 parking stalls that will serve the needs of Cascade Falls Aquatic Center beginning in 2011 and Prairie Trail Elementary when it opens in 2012. The City will pay for the cost of this parking lot initially but when the elementary school is completed in 2012, the City will be reimbursed for 50% of the total cost. The current cost estimate for this project is \$90,000. When the original planning began for the aquatic center, it was recommended that the facility feature 320 parking stalls. We presently have 258. This overflow parking will provide us with the necessary parking accommodations needed to effectively and safely serve the public. Furthermore it will eliminate most if not all of the on-street parking issues that we dealt with in 2010.

Expenditures	2011	2012	2013	2014	2015	Total
Construction Costs	90,000					90,000
Total	90,000					90,000

Funding Sources	2011	2012	2013	2014	2015	Total
Capital Project Cash Balances	45,000					45,000
School/County Contributions	45,000					45,000
Total	90,000					90,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 20 years
Category Park Facilities
Priority 2 Very Important

Project # PRK-00-002
Project Name Annual Park Development Project

Equip In Svc Date

Total Project Cost: \$5,600,000

Description

The annual park development program includes most capital projects in our neighborhood and community parks as well as some recreational facility capital projects.

Justification

2011 Projects: \$300,000

Boulder Brook Park Development small playground, shelter and trail connection

Somersby Park Trail Connection connecting trail to Fallen-Soldier Memorial and over to Goodwin Street

White Birch Park Development small playground, shelter and trail connection to existing trail

Sawgrass Park installation of a 4-bay swing set

2012 Projects: \$500,000 (in 2012, the appropriation is scheduled to be increased to \$500K)

Hawkeye Park fishing pier on east side of pond (near Lakeside Center)

Cherry Glen Greenway pond, park and trail development west of Watercrest Park

Wildflower Park Development playground, shelter, trail connection to pond, clearing, pond improvements

Somersby Prairie Park Development native and prairie landscape development west of Dog Park

Park Signage Program updating park signage at several neighborhood parks per current sign design

Playground Resurfacing replacing two mulch playgrounds with rubberized surface

Prairie Ridge Aquatic Center Phase II addition of SCS play structure (water playground with dumping bucket)

Special Note - Landscaping improvements to various parks will be funded in each year of the CIP annual Park Development appropriation.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,900,000	Construction Costs	300,000	500,000	500,000	700,000	700,000	2,700,000
Total	Total	300,000	500,000	500,000	700,000	700,000	2,700,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,900,000	G.O. Bonds	300,000	500,000	500,000	700,000	700,000	2,700,000
Total	Total	300,000	500,000	500,000	700,000	700,000	2,700,000

Budget Impact/Other

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Department Parks and Recreation
Contact Parks and Recreation Director

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-09-001

Project Name Prairie Ridge Sports Complex Sports Field Lighting

Type New Construction

Useful Life 40 years

Category Park Facilities

Priority 4 Less Important

Equip In Svc Date

Description

Total Project Cost: \$807,000

The Prairie Ridge Sports Field Lighting Project adds sports field lighting to six baseball fields over a two-year period. In 2010, four softball fields were lit through a partnership between the City of Ankeny (Hotel-Motel Fund) and the Ankeny Girls Softball Association. A similar partnership is being proposed between the City and Little League for baseball field lighting. Two fields (10 & 11) will be lit in 2011 and four fields (5-8) will be lit in 2012.

Justification

Lighting four baseball fields is critical for two reasons: 1. Little League continues to grow with additional participants, added games, and a second season. 2. Adding sports field lighting makes us eligible to host higher profile tournaments, including Little League World Series district and regional play along with USSSA national tournaments.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
258,000	Construction Costs	227,000	322,000				549,000
Total	Total	227,000	322,000				549,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
258,000	Capital Project Cash Balances	100,000	100,000				200,000
	Private Contributions	127,000	222,000				349,000
Total	Total	227,000	322,000				549,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 40 years
Category Park Facilities
Priority 1 Urgent

Project # PRK-09-003
Project Name Promenade Park Development

Equip In Svc Date

Total Project Cost: \$4,021,979

Description

Promenade Park is a 15-acre park in the Prairie Trail Development known as "The District". The park, while currently undeveloped, does have an existing pond which was completed as part of a previous project. The pond is approximately 5-acres in size and will be a central focus in the overall development of the park. A variety of active recreational/park amenities will be developed in Promenade and some native landscape buffering will occur along portions of the pond. A potential unique relationship exists on the east side of the park with privately operated restaurants and/or a combination of shops being developed relatively close to the pond edge.

Justification

Promenade Park will be developed in phases, with the 2011 focus being on green space, trails and utilities. Future phases of construction will focus on bridges, shelters, and play structures. The park will be funded as part of the overall Prairie Trail development partnership with DRA Properties. The total cost estimate of \$4,021,979 was updated by Nilles Associates in December 2009.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	107,232	379,500	115,515			602,247
Construction Costs	607,648	2,150,500	661,584			3,419,732
Total	714,880	2,530,000	777,099			4,021,979

Funding Sources	2011	2012	2013	2014	2015	Total
G.O. Bonds-TIF Abated	714,880	2,530,000	777,099			4,021,979
Total	714,880	2,530,000	777,099			4,021,979

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-10-001

Project Name Chautauqua Park Development

Type Improvement

Useful Life 40 years

Category Park Facilities

Priority 2 Very Important

Equip In Svc Date

Description

Total Project Cost: \$12,000,000

Chautauqua Park is a 46-acre regional park in Prairie Trail and will be developed in phases over multiple years. A variety of active and passive amenities are planned for this park and the development of the park will generally follow the Prairie Trail Parks & Trails Plan as well as the Parks, Facilities and Recreation Comprehensive Plan. In 2011, a master plan of the park will be completed with construction phases beginning in 2012. The total estimate of cost for the project is approximately \$12 million, hence the multi-year approach to development. It should be noted that the cost estimate was completed based on the conceptual plan of the park development in the Prairie Trail Parks Plan in late 2007. As Nilles completes the master plan in 2011, it is expected that those costs will be updated and may change.

Justification

2011: \$120,000 - This funding is for a master plan, to be completed by Nilles Associates.

2012-2015: \$11,880,000 - Phased development of the park. It is anticipated that \$7,000,000 will come from DRA Properties through Civic Trust Fund II, with the remaining \$5,000,000 coming from grants, other fundraising efforts, partnerships, etc.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	120,000	297,000	297,000	297,000	297,000	1,308,000
Construction Costs		2,673,000	2,673,000	2,673,000	2,673,000	10,692,000
Total	120,000	2,970,000	2,970,000	2,970,000	2,970,000	12,000,000

Funding Sources	2011	2012	2013	2014	2015	Total
Civic Trust Cash Balances	120,000	970,000	970,000	2,470,000	2,470,000	7,000,000
Private Contributions		2,000,000	2,000,000	500,000	500,000	5,000,000
Total	120,000	2,970,000	2,970,000	2,970,000	2,970,000	12,000,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # SDW-00-001

Project Name Annual Sidewalk/Trail Construction Program

Type New Construction

Useful Life 20 years

Category Sidewalks/Trails

Priority 2 Very Important

Equip In Svc Date

Total Project Cost: \$1,161,000

Description

Annual construction of pedestrian improvements adjacent to city streets:

- ☐ SE Oralabor Road Trail (@ Sportsmans) and Cassidy Heights Trail Connection = \$136,000 (2011)
- ☐ SE Magazine Road Trail, Ankeny Blvd. to SE Delaware Avenue = \$320,000 (possible two year project)
- ☐ West First Street Trail Upgrade Phase 1, Park and Ride to NW Elementary = \$90,000
- ☐ West First Street Trail Upgrade Phase 2, NW Elementary to State Street = \$90,000
- ☐ West First Street Trail Upgrade Phase 3, State Street to Linden Street = \$210,000
- ☐ SW Cherry Street Shared Roadway / Recreation Trail, Ordinance Road to SW 4th Street = \$150,000
- ☐ NW State Street Trail, W 1st Street to NW 10th Street = \$200,000

Justification

The purpose of this program is to provide new sections of 8' wide sidewalks adjacent to our collector roadways to promote non-motorized travel and a corresponding healthier lifestyle in Ankeny.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
375,000	Construction Costs	136,000	160,000	160,000	180,000	150,000	786,000
Total	Total	136,000	160,000	160,000	180,000	150,000	786,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
375,000	G.O. Bonds	136,000	160,000	160,000	180,000	150,000	786,000
Total	Total	136,000	160,000	160,000	180,000	150,000	786,000

Budget Impact/Other

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Department Parks and Recreation
Contact Parks and Recreation Director

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type New Construction
Useful Life 40 years
Category Sidewalks/Trails
Priority 3 Important

Project # SDW-07-001

Project Name Neal Smith Connector Bike Trail

Equip In Svc Date

Total Project Cost: \$800,000

Description

Design and construction of a 10' wide recreation trail along the south side of SW Orallabor Road from Ankeny Blvd. to SW State Street. The project includes grading, a pedestrian bridge, and intersection revisions to improve the pedestrian crossings at State Street. Pending permits and DOT clearances, the project will be bid in the summer of 2011 with a fall completion date.

The engineering design for this project (approximately \$100,000) is being completed at this time with 2010 funding.

The other phase of this project, along SW Orallabor Road from Irvinedale Drive east 2/3 of a mile, was completed in 2010.

Justification

This project will provide a vital link between the existing Gay Lea Wilson Trail east of Ankeny Blvd. and the proposed Polk County trail that will run west and south from Ankeny to connect with the Neal Smith / Saylorville trail system.

The city has received two STP-TE grants for this project, totaling \$250,000. Additional TE funds will be requested to help fund this project.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
150,000	Construction Costs	650,000					650,000
Total	Total	650,000					650,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
150,000	G.O. Bonds	400,000					400,000
	MPO/STP Grants	250,000					250,000
Total	Total	650,000					650,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # SDW-07-002

Project Name Gay Lea Wilson Trail Extension

Type New Construction

Useful Life 20 years

Category Sidewalks/Trails

Priority 2 Very Important

Equip In Svc Date

Total Project Cost: \$1,711,912

Description

The Gay Lea Wilson Trail Extension will connect between the Carney Marsh in Ankeny and the existing Gay Lea Trailhead near the northeast corner of Des Moines. The north portion of the trail extension will be constructed by Ankeny in two segments. The south portion will be constructed by Polk County Conservation and will be funded and scheduled separate from the Ankeny segments. The trail will be 10' PCC with 2' earth shoulders. A trail pad exists under Interstate 35. The trail path follows abandoned railroad, street right-of-way and acquired property. Environmental clearances have been obtained and the first segment of the project is proceeding to design at this time.

Justification

This trail is a key missing link in the Central Iowa Trail Loop System. It will connect the Des Moines trail systems with the Neal Smith trail system at Saylorville Lake, as well as the High Trestle Trail and the Chichaqua Trail System. Secured funding to date for the Ankeny segments include: \$175,000 – 2010 STP-TE funds \$141,395 – 2010 STP-TE additional awarded funds \$101,025 – 2012 STP-TE funds \$150,000 – 2014 STP-TE funds \$150,000 – 2010 REAP funds \$150,000 – 2011 REAP funds

Prior	Expenditures	2011	2012	2013	2014	2015	Total
163,912	Construction Costs	508,000	1,040,000				1,548,000
Total	Total	508,000	1,040,000				1,548,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
163,912	G.O. Bonds	183,000	497,580				680,580
	IDNR/REAP/RIG Grants	150,000	150,000				300,000
Total	MPO/STP Grants	175,000	392,420				567,420
	Total	508,000	1,040,000				1,548,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 1 Urgent

Project # COR-07-001

Project Name The District at Prairie Trail Improvements

Equip In Svc Date

Description

Total Project Cost: \$4,475,500

Construction of the utilities and paving improvements for The District commercial center in Prairie Trail. The phases of The District are:

- ☐ Phase 1: Utilities in the south and central portion of The District. 2010 Bid = \$1,015,000.
- ☐ Phase 2: Street paving in the south and central portion of The District. Estimated at \$996,000.
- ☐ Phase 3: Utilities and street paving in the north portion of The District. Estimated at \$995,500.
- ☐ Parking Stalls within The District (optional for city construction). Estimated at \$240,000.
- ☐ SW Westview Drive utilities & street paving (new street behind civic bldg). Estimated at \$695,000.

Phase 1 of the above improvements plan is funded in the 2010 CIP program and is currently under construction. The engineering for Phases 1-3 and the parking stalls is also already funded in Year 2010. The engineering for SW Westview Drive is estimated at \$134,000

Justification

The District will be the commercial and entertainment hub for Prairie Trail. It will also house the new Ankeny civic building.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
1,415,000	Engineering-Design		134,000				134,000
Total	Construction Costs	2,231,500	695,000				2,926,500
	Total	2,231,500	829,000				3,060,500

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,400,000	G.O. Bonds-TIF Abated	2,075,500					2,075,500
Total	Total	2,075,500					2,075,500

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

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Department Prairie Trail Development
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

Department Prairie Trail Development

City of Ankeny, Iowa

Contact City Engineer

Project # COR-07-005

Type New Construction

Project Name SW Prairie Trail Parkway

Useful Life 20 years

Category Corridor Development

Equip In Svc Date

Priority 1 Urgent

Description

Total Project Cost: \$1,820,000

This project is the extension of SW Prairie Trail Parkway from its current terminus at the Cascade Falls Aquatic Center west to SW Irvinedale Drive. This street will be a two-lane PCC roadway with turn lanes and traffic signals at SW Irvinedale Drive. The alignment of this proposed street will possibly be revised from the original routing, which has the street connect to Irvinedale Drive at the intersection with SW 21st Court. This request reflects a connection to Irvinedale Drive at SW Woodbury Lane, which will be a much better system-wide location for a traffic signal.

Justification

The purpose of this roadway is to provide the initial entrance from the west into Prairie Trail. It will also provide a much-needed western connection to the new Cascade Falls Aquatic Center and the proposed elementary school in Prairie Trail.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
500,000	Engineering-Design	150,000					150,000
Total	Construction Costs		1,170,000				1,170,000
	Total	150,000	1,170,000				1,320,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
500,000	G.O. Bonds-TIF Abated	150,000	1,170,000				1,320,000
Total	Total	150,000	1,170,000				1,320,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 3 Important

Project # COR-08-008

Project Name SW Magazine Road Extension

Equip In Svc Date

Total Project Cost: \$4,150,000

Description

Construction of SW Magazine Road from SW Cherry Street west to SW State Street. A four lane boulevard roadway will be constructed including raised medians, adjacent parking, street trail, decorative lighting and associated improvements.

Justification

SW Magazine Road from Ankeny Blvd. west to SW Cherry Street is under construction at this time, so that it is in place before the new high school is open. The District street system is being developed at this time and will be in place by the end of 2010. This section of SW Magazine Road will run along the north side of The District so it is integral to that development.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,350,000	Construction Costs	1,800,000					1,800,000
Total	Total	1,800,000					1,800,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,350,000	G.O. Bonds-TIF Abated	1,800,000					1,800,000
Total	Total	1,800,000					1,800,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-00-001

Project Name Annual PCC Street Patching Program

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

Equip In Svc Date

Description

Total Project Cost: \$5,738,000

This program includes individual PCC patches and intake repairs throughout the city. The projects that are bid annually from this program are engineered in-house. Patch locations are chosen based on field conditions (rough ride and defects) and by our pavement management study. The FY 2011 patching program is proposed to include three specific improvements in addition to the regular city-wide patching:

- 1) Substantial patching of the library parking lot, estimated at \$50,000.
- 2) Patching of East First Street and West First Street that was not completed during the 2010 construction season due to weather delays. These patches total \$120,000 based on 2010 construction bids.
- 3) Two large patches to repair the railroad crossings at SW Cherry Street and SW 3rd Street, which are proposed to be removed in 2011.

The 2012 program includes the rebuilding of the railroad crossing at the intersection of SW State Street and SW Ordinance Road, which will be funded 60% by a DOT crossing grant program.

Justification

The Annual PCC Street Patching Program eliminates the most critical street defects within the city street system. It is vital to maintain the older interior city streets as they deteriorate over time.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,750,000	Construction Costs	750,000	738,000	500,000	500,000	500,000	2,988,000
Total	Total	750,000	738,000	500,000	500,000	500,000	2,988,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,750,000	FHWA/IDOT Grants		138,000				138,000
	G.O. Bonds	750,000	600,000	500,000	500,000	500,000	2,850,000
Total	Total	750,000	738,000	500,000	500,000	500,000	2,988,000

Budget Impact/Other

Capital Improvement Plan
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Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

Project # STR-00-002

Project Name Annual Asphalt Street Resurfacing Project

Equip In Svc Date

Description

Total Project Cost: \$3,070,000

2010 Project: Paving of the SW Oralabor Road Frontage Drive (Mel Ray Park Entrance) = \$55,000
2011 Project: Overlay of NW Irvinedale Drive between NW 18th and NW 36th = \$470,000
2012 Program: Overlay SE Four Mile Drive from SE Oralabor Road to SE Magazine Road extended = \$465,000
2013 Program: Overlay of NE 54th Street from Ankeny Blvd. to NE Delaware Avenue = \$454,000
2014 Program: S Ankeny Boulevard Rec Trail Overlay, SW Walnut Street to east DMACC entrance = \$116,000
2014 Program: Overlay of SW Polk City Drive = \$350,000
2015 Program: Overlay of SW Ankeny Road = \$360,000

Justification

The major asphalt streets within the central areas of Ankeny have been resurfaced in recent history. Public Works proposes to substantially increase the amount of reconstruction and maintenance on PCC streets in the city. This limited program is recommended to keep the asphalt roadways sufficient or upgraded.

The estimated costs shown below reflect recent increases in the unit prices for asphalt work. These costs could be reduced in future years, once the current round of federal stimulus projects are completed.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
855,000	Construction Costs	470,000	465,000	454,000	466,000	360,000	2,215,000
Total	Total	470,000	465,000	454,000	466,000	360,000	2,215,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
855,000	G.O. Bonds	470,000	465,000	454,000	466,000	360,000	2,215,000
Total	Total	470,000	465,000	454,000	466,000	360,000	2,215,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-00-003

Project Name Annual Pavement Preservation Program

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 1 Urgent

Equip In Svc Date

Description

Total Project Cost: \$1,050,000

Add this new program to the CIP to address the need for better maintainance of the existing street infrastructure. The preservation will consist of re-sealing pavement joints and crack filling on selected snow route streets and local streets. Targeted streets for FY 2009 include:

NW Ash Drive, from Wagner to 18th = 7,500' = \$16,500 (includes backer rod removal)

SE Sharon Drive from 4th to 10th = 8,500' = \$12,800

SE Magazine from Hwy 69 to Trilein = 9,200' = \$13,800

SW Des Moines Street from Ordinance to Frist = 9,800' = \$14,700

SW 3rd Street from Westview to Maple = 10,700' = \$16,000

SE 3rd Street from Hwy 69 to Sharon = 4,900' = \$7,400

NW 10th / NW 14th from Cedarwood to State = 17,700' = \$26,500

NW Cedarwood from 9th to 17th = 2,300' = \$12,500

NW Abilene/Hickory from 10th to Linden = 5,300' = \$8,000

NW 12th / Beechwood from Greenwood to 17th = 7,200' = \$10,800

NE 9th St from Hwy 69 to Trilein = 10,100' = \$15,000

TOTAL FY 2009 ESTIMATE = \$154,000

Potential Streets for FY 2010: SW State Street and NE Georgetown Boulevard = \$200,00

Justification

Public Works currently completes crack sealing on our ACC streets and a limited quantity of PCC streets as weather and workload allows in the fall and spring. The recent pavement management study that was completed on our snow route streets included a strong recommendation that the city undertake an expanded crack sealing program by utilizing a contractor in addition to our in-house program. As the study summarized, undertaking this preservation program will address the need for protecting pavement joints from damage caused by salt and salt brine applications during snow removal operations. It will also maintain the life of local and collector street pavements by keeping moisture out of the pavement subgrade.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
300,000	Construction Costs	150,000	150,000	150,000	150,000	150,000	750,000
Total	Total	150,000	150,000	150,000	150,000	150,000	750,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
300,000	G.O. Bonds	150,000	150,000	150,000	150,000	150,000	750,000
Total	Total	150,000	150,000	150,000	150,000	150,000	750,000

Budget Impact/Other

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City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project # STR-00-004

Project Name Annual Street Replacement Program

Equip In Svc Date

Total Project Cost: \$5,710,000

Description

Street pavement removal and replacement on streets identified as needing full replacement. Projects as proposed generally include pavement replacement, along with new driveway aprons, minor utility replacements, new intakes, etc.

- 1) SE Peterson Drive, Sharon to Trilein Drive = \$450,000
- 2) NW 9th Street from Irvinedale Drive east past Westwood Elementary School = \$325,000
- 3) NW 18th Street Intersection Improvements at Centennial High School = \$225,000
- 4) NW Greenwood Street, 9th Street to 18th Street = \$840,000
- 5) SE Sharon Drive, Peterson Drive to 4th Street = \$180,000
- 6) SE Uehlammar Drive, Grant to Sharon = \$210,000
- 7) NW Greenwood Street, 3rd Street to 9th Street = \$695,000
- 8) NE Trilein Drive, First Street to 9th Street (patches and diamond grinding) = \$400,000 +-
- 9) NW 5th Street, Greenwood to Applewood = \$420,000
- 10) SW 4th Street, Maple to Cherry = \$100,000
- 11) SE Sharon Drive, Belmont to 9th Street = \$380,000

Justification

This program was initiated to meet the increasing need to improve the condition of the city's existing interior street system. The older sections of Ankeny have streets that are deteriorating at an advanced rate, given the age of the PCC pavements. Many of the interior streets are approximately the same age, and have serious defects such as cracks, spalls, joint failures, poor subgrade, etc. which results in a rough driving surface. The streets that are targeted for replacement by this program have been identified by Public Works as having the poorest pavement conditions. Many of these streets were found to have a low PCI rating in the recent Pavement Management Study.

Prior	Expenditures	2011	2012	2013	2014	2015	Total	Future
	Construction Costs	450,000	550,000	420,000	420,000	390,000	2,230,000	1,995,000
Total	Total	450,000	550,000	420,000	420,000	390,000	2,230,000	Total

Prior	Funding Sources	2011	2012	2013	2014	2015	Total	Future
	G.O. Bonds	450,000	550,000	420,000	420,000	390,000	2,230,000	1,995,000
Total	Total	450,000	550,000	420,000	420,000	390,000	2,230,000	Total

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-08-002

Project Name NE 36th St/I-35 Interchange Project

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 1 Urgent

Equip In Svc Date

Description

Total Project Cost: \$26,667,000

Development of the NE 36th Street Interchange on I/35 including:

- ☐ Construction of Phase 1 starting in October 2010 and lasting through the 2011 construction season. Phase 1 will consist of two bids, one for dirt work and RCB extension, and one for the overpass structure construction.
- ☐ Final design of Phase 2 during 2011. Phase 2 consists of the mainline and interchange paving improvements.
- ☐ Construction of Phase 2 during 2012. The bid for Phase 2 will be in October or November of 2011.

As of September, 2010; \$483,000 remains in engineering fees from the \$1,967,000 consulting contract. These fees will be used to complete the final design of Phase 2. The latest cost estimate for the interchange is \$27.7 million which includes all construction, engineering, and acquisitions. The rest area relocation (at \$3.5 million) is not included in this amount.

Justification

The justification for the new interchange at NE 36th Street has been long recognized as critical. The expansion of the north side of Ankeny has driven the need for the interchange, as the existing interchange at East First Street has become increasingly overtaxed with commuter traffic.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
475,000	Engineering-Design	483,000					483,000
Total	Construction Costs	6,725,000	17,300,000				24,025,000
	Land/ROW Acquisition	1,684,000					1,684,000
	Total	8,892,000	17,300,000				26,192,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
1,375,000	FHWA/IDOT Grants	7,100,000	8,712,500				15,812,500
Total	G.O. Bonds-TIF Abated		3,416,500				3,416,500
	MPO/STP Grants		1,063,000				1,063,000
	Other Grants		5,000,000				5,000,000
	Total	7,100,000	18,192,000				25,292,000

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project # STR-09-006

Project Name NW State Street Improvements

Equip In Svc Date

Total Project Cost: \$50,000

Description

The limits of this project are at the intersection of NW State Street and NW 9th Street. This project follows the overall project concept to utilize this section of NW State Street as a four lane roadway. The first step of this concept was completed in Fall 2010 with the elimination of parking along NW State Street from W 1st Street to NW 10th Street. The associated improvements included with this project are the construction of a right turn lane on the west leg of the intersection of NW State Street and NW 9th Street.

Justification

The traffic counts on NW State Street have increased substantially since 1999. This project follows the recommended approach with interim improvements in 2010-2011, with more substantial improvements recommended for completion after additional increases in traffic are found. It is anticipated that this will be associated with the opening of Centennial High School to the north.

Expenditures	2011	2012	2013	2014	2015	Total
Construction Costs	50,000					50,000
Total	50,000					50,000

Funding Sources	2011	2012	2013	2014	2015	Total
Capital Project Cash Balances	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Priority 3 Important

Project # STR-10-001

Project Name NE Delaware Ave Widening (5th to 18th)

Equip In Svc Date

Description

Total Project Cost: \$6,470,000

The widening of the west side of NE Delaware Avenue at the intersection with NE 18th Street to provide a northbound left turn lane at this location. The existing temporary signals will be relocated to accommodate the new turn lane, and 5-section signal heads will be added. This widening will be completed utilizing the existing open ditch condition, without storm sewers or curbs included.

Justification

This intersection is the critical element in the current traffic flows along NE Delaware from NE 5th Street to NE 36th Street. At peak hours, northbound traffic backs from NE 18th Street south to NE Fountain View Blvd. Having a left turn lane for northbound traffic should help this current problem considerably.

This intersection improvement is being proposed as a 2011 project, as it is anticipated that having it in place will prolong the current two-lane configuration. The 2010 CIP included the widening of Delaware from 5th to 18th as a 2015 project at \$6.3 million. Given the uncertainty of the future traffic volumes as a result of the new interchange, the full widening project could be delayed beyond 2015 (traffic volumes may be reduced after the interchange is open).

Expenditures	2011	2012	2013	2014	2015	Total	Future
Engineering-Design	20,000					20,000	6,300,000
Construction Costs	150,000					150,000	
Total	170,000					170,000	Total

Funding Sources	2011	2012	2013	2014	2015	Total	Future
G.O. Bonds	170,000					170,000	6,300,000
Total	170,000					170,000	Total

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project # STR-10-002

Project Name SW Southlawn Drive Utility and Paving Replacement

Equip In Svc Date

Total Project Cost: \$2,583,000

Description

Removal and replacement of the existing deteriorated sanitary sewers and water mains along SW Southlawn Drive/Circle and SW Logan Street between South Ankeny Blvd. and SW 3rd Street. The project will also include street pavement removal and replacement, storm sewer improvements, sidewalk replacements and utility service replacements. This project will be completed in three phases due to the size of the overall project.

Justification

The existing water mains under SW Southlawn Drive, SW Southlawn Circle and SW Logan Street are 4" ductile iron lines that are old, have limited capacity and do not provide sufficient water pressure. The existing sanitary sewers were recently inspected and found to have numerous defects. Replacing these utilities at this time will provide better utility service to the adjacent residents and will decrease ongoing maintenance costs.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
100,000	Construction Costs	600,000	600,000	600,000	683,000		2,483,000
Total	Total	600,000	600,000	600,000	683,000		2,483,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
100,000	Capital Project Cash Balances	600,000	600,000	600,000	683,000		2,483,000
Total	Total	600,000	600,000	600,000	683,000		2,483,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project # STR-11-003

Project Name NE 36th St. Widening - I-35 to US 69

Equip In Svc Date

Total Project Cost: \$4,760,000

Description

This project has two phases which are updated since the 2010 CIP:

- Phase 1 includes the reconstruction of NE 36th Street from NE Delaware Avenue east to I/35. The existing two-lane rural roadway will be rebuilt as a four lane urban street. This project will include the reconstruction of the NE Delaware intersection as required by the Interchange Justification Report. The main construction of Phase 1 is targeted for 2012. The design for the project and the extension of an existing RCB culvert is targeted for 2011. Having the RCB extension completed in 2011 will help insure that the Phase 1 project is completed in one construction season.
- Phase 2 runs from Ankeny Blvd. to NE Delaware Avenue. Instead of a full reconstruction, it will include an asphalt overlay of the segment, with possible turn lanes at NE Briarwood Drive and NE Trilein.

Justification

As the north portion of Ankeny continues to grow and develop, the traffic will increase on NE 36th Street. Phase 1 needs to be rebuilt on the same schedule as the interchange project, so that it is open to traffic when the interchange is open. Phase 2 will be needed when traffic on that section of NE 36th Street requires the expansion. Phase 2 has been reduced from a 4-lane full widening due to the cost and difficulty of rebuilding this mile of rural roadway.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	500,000					500,000
Construction Costs	60,000	3,700,000			500,000	4,260,000
Total	560,000	3,700,000			500,000	4,760,000

Funding Sources	2011	2012	2013	2014	2015	Total
G.O. Bonds	560,000	3,100,000			500,000	4,160,000
MPO/STP Grants		600,000				600,000
Total	560,000	3,700,000			500,000	4,760,000

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project # STR-11-004

Project Name East 1st St/I-35 Interchange

Equip In Svc Date

Description

Total Project Cost: \$34,921,000

Construction of a new interchange on Interstate 35 at East First Street. Includes design, acquisitions, and full construction of a new partial cloverleaf interchange. Also includes a new bridge across Four Mile Creek.

Justification

The FHWA approved the IJR which includes the reconstruction of this interchange, based on current and future traffic demands. The reconstruction of this interchange would come after the construction of a new interchange at NE36th Street. The project as programmed at this time includes the design, construction and property acquisition services for the interchange. The construction, which is estimated at \$40 million, is not programmed within the 5-year CIP horizon, pending the city acquiring federal funding for the project. The preliminary plans have been generated and the environmental hearing is ready to be held.

Approximately \$370,000 of the \$2,004,000 engineering fees has already been expended at this time, so this amount is not reflected in the costs below. Total project estimate = \$35,300,000

Prior	Expenditures	2011	2012	2013	2014	2015	Total	Future
500,000	Engineering-Design	125,000					125,000	34,296,000
Total	Total	125,000					125,000	Total

Prior	Funding Sources	2011	2012	2013	2014	2015	Total	Future
500,000	G.O. Bonds-TIF Abated	125,000					125,000	34,296,000
Total	Total	125,000					125,000	Total

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project # STR-11-006

Project Name Crosswinds Business Park Roads Phase 1

Equip In Svc Date

Total Project Cost: \$5,200,000

Description

Construction of a three lane roadway to serve the new Crosswinds Business Park. The proposed roadway alignment runs south from Corporate Woods Drive to the center of the park, then east to SE Four Mile Drive. Improvements include entrance boulevards, recreation trail, lighting, utilities, etc.

Justification

This project is being initiated at this time to spur the initial development in the Crosswinds Business Park. It will be partially funded by a RISE grant, which is currently under review by the Iowa DOT. When development occurs and properties are sold, the city will be reimbursed by the property owners for the city portion of this initial project.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	650,000					650,000
Construction Costs	4,550,000					4,550,000
Total	5,200,000					5,200,000

Funding Sources	2011	2012	2013	2014	2015	Total
FHWA/IDOT Grants	1,990,000					1,990,000
G.O. Bonds-TIF Abated	3,210,000					3,210,000
Total	5,200,000					5,200,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

Project # STR-12-001

Project Name NW State Street Widening - 18th to 36th Street

Equip In Svc Date

Description

Total Project Cost: \$2,270,000

Widening of the west side of NW State Street from NW 18th Street to NW 36th Street. This street was originally constructed in 2005 as half of a four-lane boulevard street. This project will complete the street. Improvements include:

- ☐ Paving of the west two lanes and raised medians for the entire mile.
- ☐ Turn lanes at all proposed and future access locations.
- ☐ Widening of NW State Street south of NW 18th Street to align the N/S through lanes.
- ☐ Traffic signals at the intersection with NW 18th Street.
- ☐ New street lights along the west side of the street.

Justification

The traffic demands created by the new high school will necessitate this project, which is being partially funded by the school district. The schedule of this project is dictated by the proposed opening date for the Centennial High School.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	120,000					120,000
Construction Costs		2,150,000				2,150,000
Total	120,000	2,150,000				2,270,000

Funding Sources	2011	2012	2013	2014	2015	Total
G.O. Bonds		1,270,000				1,270,000
School/County Contributions		1,000,000				1,000,000
Total		2,270,000				2,270,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

Department Public Works

City of Ankeny, Iowa

Contact City Engineer

Project # TRF-00-001

Type New Construction

Project Name Annual Traffic Signal Improvement Program

Useful Life 20 years

Category Traffic Control

Equip In Svc Date

Priority 3 Important

Description

Total Project Cost: \$3,125,000

Projects included in this program are for full permanent traffic signals, with cameras, battery backup systems, and fiber optic connections for system synchronizing. Intersections identified as possible candidates based on public concern, accident history, and traffic volumes include:

- ☐ South Ankeny Blvd. and SE Shurfine Drive (Warrants met, trying for temp. signals here now)
- ☐ NW 18th Street and NW State Street (2012, part of State Street Widening Project)
- ☐ SE Oralabor Road and SE Peachtree (warrants not met but many complaints)
- ☐ SW Oralabor Road and SW Glenbrooke / Westwinds Blvd. (no warrant check but complaints received)
- ☐ NE Delaware Avenue and NE 18th Street (temp. signals here but need turn lanes soon)
- ☐ SW Irvinedale Drive and SW Woodbury (traffic counts increasing but warrants not checked recently)
- ☐ SE Corporate Woods Drive and SE Delaware Avenue (warrants not met yet , but heavy industrial traffic)

Justification

The city currently has 42 signalized intersections. Having a proper signal network in place reduces accidents, promotes positive traffic flow, saves gasoline and increasing citizen satisfaction. The above preliminary locations are based on current information. The city will attempt to obtain U-Step or ICAAP funding for signal projects located on state highways. Turn lane improvements may be needed with a new signal installation. If so, funding for the lane improvements will need to be secured separately.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
1,525,000	Planning Estimate	250,000	300,000	350,000	350,000	350,000	1,600,000
Total	Total	250,000	300,000	350,000	350,000	350,000	1,600,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
1,525,000	G.O. Bonds	250,000	300,000	350,000	350,000	350,000	1,600,000
Total	Total	250,000	300,000	350,000	350,000	350,000	1,600,000

Budget Impact/Other

Capital Improvement Plan
City of Ankeny, Iowa

Data in Year 2011

Department Public Works
Contact City Engineer

Capital Improvement Plan

Data in Year 2011

Department Sewer Utility
Contact Municipal Utilities Director
Type Maintenance
Useful Life 40 years
Category Sanitary Sewers
Priority 2 Very Important

City of Ankeny, Iowa

Project # SNS-00-001
Project Name Annual Sanitary Sewer Repair/Replacement Program

Equip In Svc Date

Total Project Cost: \$4,219,500

Description

This project includes funding for sanitary sewer oversizing, and 1/3 of the cost of the SW Southlawn Drive Utility and Pavement Replacement. In addition, funds will be used for spot repairs and manhole repairs of defects that are discovered through our sewer televising program. So far staff has identified approximately 90 structural defects that have the worst "5" rating. In addition, several blocks of sewer have been identified as good candidates for sliplining, which prevents root intrusion and resolves offset and/or leaky joints.

Justification

The projects in this program are identified by visual inspection of the sanitary sewer manholes and pipes by city staff or investigations resulting from a resident complaint. The city staff is continually inspecting portions of the sanitary sewer system to monitor the condition and detect parts of the system that are in need of repair. The projects in this program are driven by the need to reduce inflow & infiltration and the concept that it is better to take care of a problem before it negatively impacts someone.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,219,500	Planning Estimate	400,000	400,000	400,000	400,000	400,000	2,000,000
Total	Total	400,000	400,000	400,000	400,000	400,000	2,000,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,219,500	Sewer Cash Balances	400,000	400,000	400,000	400,000	400,000	2,000,000
Total	Total	400,000	400,000	400,000	400,000	400,000	2,000,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Sewer Utility
Contact Municipal Utilities Director
Type New Construction
Useful Life 40 years
Category Sanitary Sewers
Priority 2 Very Important

Project # SNS-05-002
Project Name Rock Creek Lateral Sewers

Equip In Svc Date

Total Project Cost: \$8,448,000

Description

This project will provide gravity sanitary sewers to service existing developed areas currently utilizing private on-site disposal systems.

Justification

The project is currently funded in 2010, but construction is tied to the Rock Creek Trunk Sewer project. Construction on the lateral sewers is delayed until 2011.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,445,000	Construction Costs	6,003,000					6,003,000
Total	Total	6,003,000					6,003,000

Prior

8,448,000

Total

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Sewer Utility
Contact Municipal Utilities Director
Type Improvement
Useful Life 40 years
Category Sanitary Sewers
Priority 2 Very Important

Project # SNS-10-001
Project Name SE Area Sanitary Sewer Improvements

Equip In Svc Date

Total Project Cost: \$2,600,000

Description

This project involves a relief sewer along SE Uehlar Drive from SE Delaware to SE Trilein Drive. A branch of sewer would extend north on SE Trilein Drive to SE Third Street. A second branch of the sewer would extend through the intersection of SE Peterson and SE Sharon.

Justification

The project is currently broken into 4 phases, with the first phase beginning in 2010. The phasing is being adjusted so that the first two phases will be constructed in 2011.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
379,500	Construction Costs	1,320,500	800,000	100,000			2,220,500
Total	Total	1,320,500	800,000	100,000			2,220,500

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
900,000	Sewer Revenue Bonds/SRF	800,000	800,000	100,000			1,700,000
Total	Total	800,000	800,000	100,000			1,700,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Sewer Utility
Contact Municipal Utilities Director
Type Improvement
Useful Life 40 years
Category Sanitary Sewers
Priority 2 Very Important

Project # SNS-11-003

Project Name NE Area Sanitary Sewer Improvements

Equip In Svc Date

Total Project Cost: \$947,000

Description

This project involves a reach of sanitary sewer located along NE 5th Street from NE Wanda to NE Sharon. The sewer would be designed to intercept the service area along and southerly of NE 5th Street and route it easterly to the existing NE 5th Street Sewer that has adequate capacity.

Justification

This project addresses capacity issues in relationship to sewer backups experienced in 2007 and 2008.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	133,400					133,400
Construction Costs	813,600					813,600
Total	947,000					947,000

Funding Sources	2011	2012	2013	2014	2015	Total
Sewer Revenue Bonds/SRF	947,000					947,000
Total	947,000					947,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Stormwater Utility
Contact Municipal Utilities Director
Type Maintenance
Useful Life 20 years
Category Stormwater Facilities
Priority 2 Very Important

Project # STM-00-001
Project Name Annual Stormwater Facility Improvement Program

Equip In Svc Date

Description

Total Project Cost: \$2,250,000

Annual allocation of capital improvement funds for repair and replacement of storm sewers, structures, channels, etc. The engineering for these projects will be completed by in-house engineering staff.

Justification

Funding will be utilized to repair shoreline damage around Vintage Lake, caused by geese and wave action. Other issues that arise relate to footing drain collection sewers that are plugged with roots or otherwise have blockages. In many cases, we need to add cleanouts or manholes to the lines to facilitate inspection and repairs. We have also been discovering leaks that show up as sinkholes above the pipes.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
1,000,000	Planning Estimate	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
1,000,000	Stormwater Cash Balances	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Stormwater Utility
Contact Municipal Utilities Director
Type Improvement
Useful Life 40 years
Category Stormwater Facilities
Priority 3 Important

Project # STM-10-001
Project Name SE 4th and SE Wanda Area Storm Sewer Improvements

Equip In Svc Date

Total Project Cost: \$4,200,000

Description

This project includes the construction of a large diameter storm sewer along SE Uehlammar Drive from SE Delaware Avenue to SE Trilein Drive. A smaller storm sewer is to be extended into the SE 4th and SE Wanda area. A storm sewer is also to be constructed along SE Trilein Drive from SE Peterson to SE Lawrence Drive.

Justification

The project is currently funded in four phases, with the first phase being constructed in 2010. The first two phases are now being proposed for construction in 2011.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
487,400	Construction Costs	2,912,600	100,000	700,000			3,712,600
Total	Total	2,912,600	100,000	700,000			3,712,600

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,000,000	G.O. Bonds-Storm Abated	1,400,000	100,000	700,000			2,200,000
Total	Total	1,400,000	100,000	700,000			2,200,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Stormwater Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Stormwater Facilities

Priority 2 Very Important

Project # STM-10-002

Project Name Westwinds Ravine Stabilization

Equip In Svc Date

Description

Total Project Cost: \$4,800,000

Major Stabilization project in the ravine system behind the homes in the Westwinds subdivision and surface restoration. Permanent and temporary easements are needed from 85 residents to proceed with the project, and the easements are nearly acquired at this time (September, 2010)

Justification

The heavy rainfall in 2008 caused serious damage to the ravines within Westwinds. Since the summer of 2008, the City has completed a study and preliminary design for the stabilization project. In the summer of 2010, the acquisitions needed for the project were being completed when additional heavy rains caused major damage to the ravine system again. The additional damage enforced the need to complete a stabilization project. However, the cost estimates are expected to increase due to the recent new ravine damage. The project will proceed to final design and construction as soon as the easements are acquired. We are currently investigating the possibility of FEMA participation for emergency repairs at isolated ravine sections.

Expenditures	2011	2012	2013	2014	2015	Total
Engineering-Design	400,000					400,000
Construction Costs	2,200,000	2,200,000				4,400,000
Total	2,600,000	2,200,000				4,800,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,000,000	G.O. Bonds-Storm Abated	2,800,000					2,800,000
Total	Total	2,800,000					2,800,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Stormwater Utility
Contact Municipal Utilities Director
Type Improvement
Useful Life 40 years
Category Stormwater Facilities
Priority 4 Less Important

Project # STM-12-001
Project Name Trib B to Fourmile Creek Channel Improvements

Equip In Svc Date

Total Project Cost: \$363,388

Description

Stream restoration to repair and stabilize the existing creek channel using a variety of techniques

Justification

This project is designed and was let in September, 2010. The only bid submitted was rejected. The project will be rebid for construction in 2011. The City received an I-Jobs grant, a Polk SWCD grant, and a WIRB grant, totaling \$286,800. Only \$212,000 of the grant money is directed to the stream channel improvements. The rest funds stormwater practices in Summerbrook Park.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
68,388	Construction Costs	295,000					295,000
Total	Total	295,000					295,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
68,388	IDNR/REAP/RIG Grants	212,000					212,000
	Stormwater Cash Balances	83,000					83,000
Total	Total	295,000					295,000

Budget Impact/Other

Capital Improvement Plan

Data in Year 2011

City of Ankeny, Iowa

Department Water Utility
Contact Municipal Utilities Director
Type Maintenance
Useful Life 40 years
Category Water Mains
Priority 2 Very Important

Project # WTM-00-001
Project Name Annual Water Main Extension/Replacement Program

Equip In Svc Date

Total Project Cost: \$4,500,000

Description

Water main oversizing, 4" water main replacement, new facilities (small projects) and major repairs.

Justification

This project includes funding for water main oversizing, and 1/3 of the cost of the SW Southlawn Drive Utility and Pavement Replacement. In addition, funds will be used for replacement of 4" water mains. SW Scott Street water main replacements will be rebid for construction in 2011. The next critical section needing replaced is on NW Scott Street. We will also utilize this funding to install two new control valves, allowing DMWW to adjust the flow of water into different areas of our distribution system, optimizing the storage capacity of both the SW and Ash water towers.

Prior	Expenditures	2011	2012	2013	2014	2015	Total
2,000,000	Planning Estimate	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	Total	500,000	500,000	500,000	500,000	500,000	2,500,000

Prior	Funding Sources	2011	2012	2013	2014	2015	Total
2,000,000	G.O. Bonds-Water Abated	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	Total	500,000	500,000	500,000	500,000	500,000	2,500,000

Budget Impact/Other